

AU-C Section 500

Audit Evidence

(Supersedes SAS No. 122 section 500)

Source: SAS No. 142.

Effective for audits of financial statements for periods ending on or after December 15, 2022.

Introduction

Scope of This Section

.01 This section explains what constitutes audit evidence in an audit of financial statements and sets out attributes of information that are taken into account by the auditor when evaluating information to be used as audit evidence. Taking these attributes into account assists the auditor in maintaining professional skepticism. (Ref: par. .A1)

.02 The application of this section assists the auditor in fulfilling the auditor's responsibilities in other AU-C sections. This section should be read in conjunction with other AU-C sections, including those that address the auditor's responsibilities to identify and assess the risks of material misstatement,¹ design and implement responses to the risks of material misstatement identified and assessed by the auditor,² and form an opinion on the financial statements.³ In particular, section 330, *Performing Audit Procedures in Response to Assessed Risks and Evaluating the Audit Evidence Obtained*, requires the auditor to conclude whether sufficient appropriate audit evidence has been obtained and thereby provides a basis for the auditor's opinion. (Ref: par. .A2)

.03 The auditor's overall conclusion in accordance with section 330 about whether sufficient appropriate audit evidence has been obtained is a matter of professional judgment. Evaluating information to be used as audit evidence in accordance with this section assists the auditor in making that conclusion. The auditor's evaluation of information to be used as audit evidence is not a formulaic exercise and is dependent on the degree to which the attributes of information to be used as audit evidence influence the auditor's evaluation. (Ref: par. .A3–.A4)

Effective Date

.04 This section is effective for audits of financial statements for periods ending on or after December 15, 2022.

¹ See section 315, *Understanding the Entity and Its Environment and Assessing the Risks of Material Misstatement*.

² Section 330, *Performing Audit Procedures in Response to Assessed Risks and Evaluating the Audit Evidence Obtained*.

³ Section 700, *Forming an Opinion and Reporting on Financial Statements*.

Objective

.05 The objective of the auditor is to evaluate information to be used as audit evidence, including the results of audit procedures, to inform the auditor's overall conclusion about whether sufficient appropriate audit evidence has been obtained.

Definitions

.06 For purposes of generally accepted auditing standards (GAAS), the following terms have the meanings attributed as follows:

Appropriateness (of audit evidence). The measure of the quality of audit evidence, that is, its relevance and reliability in providing support for the conclusions on which the auditor's opinion is based. (Ref: par. .A9)

Audit evidence. Information used by the auditor in arriving at the conclusions on which the auditor's opinion is based. Audit evidence is information to which audit procedures have been applied and consists of information that corroborates or contradicts assertions in the financial statements. (Ref: par. .A5–.A10)

External information source. An external individual or organization that provides information that is used by the entity in preparing the financial statements or that has been obtained by the auditor as audit evidence, when such information is suitable for use by a broad range of users. When information has been provided by an individual or organization acting in the capacity of management's specialist, service organization,⁴ or auditor's specialist,⁵ the individual or organization is not considered an external information source with respect to that particular information.

Sufficiency (of audit evidence). The measure of the quantity of audit evidence. The quantity of audit evidence necessary is affected by the auditor's assessment of the risks of material misstatement and the quality of the audit evidence obtained (that is, its appropriateness). (Ref: par. .A9–.A10)

Requirements

Evaluating Information to Be Used as Audit Evidence

.07 The auditor should evaluate information to be used as audit evidence by taking into account (Ref: par. .A11)

- a. the relevance and reliability of the information, including its source, and (Ref: par. .A12–.A34)
- b. whether such information corroborates or contradicts assertions in the financial statements. (Ref: par. .A35–.A38)

.08 The auditor's evaluation of the information to be used as audit evidence in accordance with paragraph .07 should include

- a. evaluating whether the information is sufficiently precise and detailed for the auditor's purposes and (Ref: par. .A39)

⁴ See section 402, *Audit Considerations Relating to an Entity Using a Service Organization*.

⁵ See section 620, *Using the Work of an Auditor's Specialist*.

- b. obtaining audit evidence about the accuracy and completeness of the information, as necessary (Ref: par. .A40–.A42).

Audit Procedures as a Basis for Concluding on the Sufficiency and Appropriateness of Audit Evidence

.09 In evaluating information to be used as audit evidence, the auditor should consider whether the results of audit procedures provide a basis for concluding on the sufficiency and appropriateness of audit evidence obtained. (Ref: par. .A43–.A64)

Inconsistencies in, or Doubts About the Reliability of, Audit Evidence

.10 The auditor should determine whether modifications or additions to audit procedures are necessary to resolve inconsistencies in, or doubts about the reliability of, audit evidence, including when

- a. audit evidence obtained from one source is inconsistent with that obtained from another source.
- b. the results of an audit procedure are inconsistent with the results of another audit procedure.

(Ref: par. .A65–.A66)

Application and Other Explanatory Material

Scope of This Section (Ref: par. .01–.03)

.A1 Section 200, *Overall Objectives of the Independent Auditor and the Conduct of an Audit in Accordance With Generally Accepted Auditing Standards*, defines *professional skepticism* and *professional judgment*.⁶ Section 200 and section 330 provide application material about maintaining professional skepticism and exercising professional judgment.⁷ The auditor's evaluation of information to be used as audit evidence in accordance with this section involves maintaining professional skepticism, including the consideration of whether unconscious or conscious auditor biases may affect the auditor's professional judgments.⁸ Paragraphs .A17, .A30–.A31, .A37–.A38, .A60, and .A63 of this section are examples of paragraphs that describe ways in which the auditor can maintain professional skepticism.

.A2 Paragraph .02 states that this section should be read in conjunction with other AU-C sections. For example, the objective of section 330 is for the auditor to obtain sufficient appropriate audit evidence regarding the assessed risks of material misstatement through designing and implementing appropriate responses to those risks.⁹ Section 330 also states that the auditor is required to do the following:

⁶ Paragraph .14 of section 200, *Overall Objectives of the Independent Auditor and the Conduct of an Audit in Accordance With Generally Accepted Auditing Standards*.

⁷ Paragraphs .A22–.A31 of section 200.

⁸ See paragraph .A27 of section 200.

⁹ Paragraph .03 of section 330.

- Design and perform further audit procedures whose nature, timing, and extent are based on, and are responsive to, the assessed risks of material misstatement at the relevant assertion level.¹⁰
- Obtain more persuasive audit evidence the higher the auditor's assessment of risk.¹¹
- Conclude whether sufficient appropriate audit evidence has been obtained.¹²
- Attempt to obtain further audit evidence if the auditor has not obtained sufficient appropriate audit evidence about a relevant assertion.¹³

In addition, section 700, *Forming an Opinion and Reporting on Financial Statements*, requires the auditor to conclude whether reasonable assurance has been obtained about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error. The conclusions required by section 700 take into account, among other things, whether sufficient appropriate audit evidence has been obtained in accordance with section 330.¹⁴

.A3 Audit evidence is cumulative in nature and is obtained through the performance of one or more audit procedures on information obtained during the course of the audit. The auditor's evaluation of information to be used as audit evidence may be enhanced by the use of automated tools and techniques, which may enable the auditor to aggregate or disaggregate information or consider information obtained from multiple sources.

.A4 For example, the auditor may use automated tools and techniques for the purpose of planning or performing the audit, such as audit data analytics. *Data analytics* is described as the analysis of patterns, identification of anomalies, or extraction of other useful information in data underlying or related to the subject matter of an audit through analysis, modeling, or visualization. Examples of other automated tools and techniques are artificial intelligence, machine learning, remote observation tools, and robotic process automation.

Definitions (Ref: par. .06)

Audit Evidence

.A5 *Audit evidence* is information to which audit procedures have been applied, ordinarily during the course of the current-year audit. Information to be used as audit evidence may also be obtained by the auditor as part of designing and performing risk assessment procedures in accordance with section 315, *Understanding the Entity and Its Environment and Assessing the Risks of Material Misstatement*, including from

- a. the auditor's previous experience with the entity and audit procedures performed in previous audits, when the auditor has evaluated whether such information remains relevant and reliable as audit evidence for the current audit,
- b. the auditor's procedures regarding acceptance or continuance of the client relationship or the audit engagement, and

¹⁰ Paragraph .06 of section 330.

¹¹ Paragraph .07b of section 330.

¹² Paragraph .28 of section 330.

¹³ Paragraph .29 of section 330.

¹⁴ Paragraph .13a of section 700.

- c. when applicable, other engagements performed by the engagement partner for the entity.

.A6 The nature of the audit procedures that the auditor performs to use information as audit evidence may depend on the source of the information and range from simple to extensive audit procedures. For example, when using information from an external information source, obtaining the information may be relatively straightforward, and the auditor's procedures to evaluate that information would be largely focused on the relevance and reliability of the information, including its source, in accordance with this section. On the other hand, audit procedures to obtain evidence about the accuracy and completeness of the information, such as tests of controls, may be necessary when the auditor intends to use information generated internally from the entity's general and subsidiary ledgers as audit evidence.

.A7 In some cases, the absence of information is used by the auditor and, therefore, also constitutes audit evidence.¹⁵ For example, when considering information regarding management's assertions related to the entity's recorded warranty provision, the absence of sales returns of the product in question may be audit evidence supporting management's assertion about the completeness of the warranty provision.

Sufficient Appropriate Audit Evidence

.A8 As explained in section 200, reasonable assurance is obtained when the auditor has obtained sufficient appropriate audit evidence to reduce audit risk (that is, the risk that the auditor expresses an inappropriate opinion when the financial statements are materially misstated) to an acceptably low level.¹⁶

.A9 As explained in section 200, the sufficiency and appropriateness of audit evidence are interrelated.¹⁷ Together they affect the persuasiveness of audit evidence. The auditor's conclusion about whether sufficient appropriate audit evidence has been obtained in accordance with section 330 is both at the financial statement level as well as the relevant assertion level. Section 330 requires the auditor to obtain more persuasive audit evidence the higher the assessment of risk.¹⁸ For example, ordinarily, more persuasive audit evidence is needed to respond to significant risks. *Persuasiveness*, therefore, relates to the auditor obtaining appropriate audit evidence that is sufficient for the auditor to draw reasonable conclusions.

.A10 The quantity of audit evidence, in and of itself, is not solely determinative of its persuasiveness. For example, obtaining more of the same type of audit evidence may not compensate for its lack of appropriateness. However, as the quality of audit evidence increases, the need for additional corroborating audit evidence decreases. Depending on the auditor's consideration of relevance and reliability, information obtained from a single source may provide persuasive audit evidence.

Evaluating Information to Be Used as Audit Evidence **(Ref: par. .07–.08)**

.A11 Information to be used as audit evidence may take different forms, which influences the nature of audit procedures that may be necessary to obtain

¹⁵ Paragraph .A32 of section 200.

¹⁶ Paragraph .06 of section 200.

¹⁷ Paragraph .A33 of section 200.

¹⁸ See paragraph .07b of section 330.

or evaluate the information. Different forms of information, individually or in combination, include

- *oral information* obtained through a verbal response to an inquiry of management or external information sources (for example, oral inquiries made during the course of the audit).
- *visual information* obtained through observation (for example, a message that appears on-screen for a control restricting access to an IT) system or observed by the auditor using remote observation tools).
- *paper documents*, which are obtained in documentary form (for example, an original executed sales contract or a written confirmation).
- *electronic information*, which includes
 - *documents* obtained in electronic documentary form (for example, a scanned version of an executed sales contract or an electronic confirmation).
 - *data* stored in the entity's IT system or obtained electronically from an external information source. Such data may be manually input into the system or may be electronically generated (for example, an electronic data interface between the entity and a service organization).

Relevance and Reliability of the Information, Including Its Source (Ref: par. .07a)

Sources of Information to Be Used as Audit Evidence

.A12 The source of the information to be used as audit evidence often affects the consideration of its relevance and reliability. Information to be used as audit evidence may be obtained directly or derived individually or in combination from different sources, including the following:

- a. *Management.* Management may provide the auditor with information obtained from the financial reporting process used to prepare the financial statements, including disclosures (for example, the entity's accounting records) as well as information obtained from outside of the general and subsidiary ledgers (for example, from the entity's risk management system or sales functions). This information may be stored by the entity within its IT systems or in a remote server. Management may also employ or engage a specialist who may provide information to be used as audit evidence.¹⁹
- b. *External information sources and other external parties.* Management or the auditor may use information obtained from external information sources and other external parties (for example, information used as inputs to forecasts or models used to prepare accounting estimates or accumulated by an auditor to analyze industry trends). The auditor may obtain external confirmations or make inquiries of external parties to corroborate management's assertions. See appendix A, "Considerations Regarding the Use of External Information Sources," for the auditor's considerations when using external information sources.

¹⁹ See section 501, *Audit Evidence — Specific Considerations for Selected Items*.

- c. *Auditor.* The auditor may develop information to be used as audit evidence. For example, an auditor may accumulate and analyze industry trends to be used in the audits of entities in that industry. The auditor may also employ or engage a specialist to assist the auditor in developing audit evidence, which could include developing an independent expectation to evaluate the reasonableness of an accounting estimate. The auditor may also use automated tools and techniques to analyze information provided by management or external parties, resulting in audit evidence.

.A13 Accounting records are an example of information provided by management that is obtained from the financial reporting process and may include the following:

- The records of initial accounting entries and supporting records, such as checks and records of electronic fund transfers; invoices; contracts; the general and subsidiary ledgers; and journal entries
- Records, such as spreadsheets, cost allocations, computations, reconciliations, and disclosures

.A14 An example of information provided by management that is obtained from outside the general and subsidiary ledgers is internal marketing information developed by the entity's sales function as an assumption in making an accounting estimate for a warranty provision.

.A15 External confirmation²⁰ procedures may provide relevant information to be used as audit evidence when addressing assertions associated with certain account balances and their elements. However, external confirmations need not be restricted to classes of transactions, account balances, or disclosures. For example, the auditor may request confirmation of the terms of agreements or transactions an entity has with third parties; the confirmation request may be designed to ask if any modifications have been made to the agreement and, if so, the relevant details. External confirmation procedures are also used to obtain audit evidence about the absence of certain conditions (for example, the absence of a side agreement that may influence revenue recognition).

.A16 As indicated in paragraph .A12, information to be used as audit evidence by the auditor may be obtained directly or derived individually or in combination from different sources. For example, in making an accounting estimate for an accumulated pension obligation, management may use information that is obtained from the general and subsidiary ledgers; information obtained from outside the general and subsidiary ledgers; and information obtained from a management's specialist. Similarly, an auditor may obtain information to be used as audit evidence from multiple sources. For example, in performing a regression analysis to test revenue recorded, the auditor may obtain information about square footage of retail space and sales prices (both management-generated) and changes in an index published by a government agency (an external information source).

.A17 In some situations, there may be only one source of certain information external to the entity, for example, information from a central bank or government, such as an inflation rate, or single recognized industry body. In such cases, taking into account the reliability of such information is influenced by the nature and credibility of the source of the external information, the assessed risks of material misstatement to which that external information is relevant, and the degree to which the use of that external information is relevant to the

²⁰ See section 505, *External Confirmations*.

reasons for the assessed risk of material misstatement. For example, when the information is from a credible authoritative source, the extent of the auditor's further audit procedures may be less extensive, such as corroborating the information with the source's website or published information. In other cases, when information is from a source not assessed as credible, the auditor may determine that more extensive audit procedures are appropriate. In the absence of an alternative independent information source against which to compare, the auditor may consider whether performing additional audit procedures to obtain information from the external information source is appropriate in order to obtain sufficient appropriate audit evidence (see paragraph 9 in appendix A).

.A18 In certain circumstances, the source of information may be a combination of management and external parties. For example, if an entity develops a distributed ledger to capture its transactions, there may be few or many other external parties participating in the transactions and contributing to the information included in the distributed ledger. Therefore, the source of the information included in the distributed ledger is not solely management but also external parties. In such circumstances, professional judgment is exercised by the auditor to evaluate the relevance and reliability of the information obtained from the distributed ledger to be used as audit evidence.

Relevance and Reliability

.A19 Relevance. The relevance of the information to be used as audit evidence relates to the logical connection with, or bearing upon, the auditor's purposes. Information from one source may be relevant when performing one or more audit procedures (for example, sales information provided by management may be used to perform procedures related to both the entity's warranty provision and evaluation of management's cash flows forecast related to the entity's warranty provision). The following are factors that, individually or in combination, may affect the relevance of information to be used as audit evidence:

- The classes of transactions, account balances, or disclosures or assertions to which the information relates. Information to be used as audit evidence may be relevant to multiple classes of transactions, account balances, or disclosures.
- The period of time to which the information relates.

.A20 The following examples illustrate the relevance of information to be used as audit evidence:

- Recorded accounts payable may provide relevant information when the objective of the audit procedures is to test the existence or valuation pertaining to accounts payable.
- Employee salaries may provide relevant information regarding an accounting estimate for a bonus accrual.
- Commodity pricing data may be used in the performance of an audit data analytic to evaluate recorded revenue. The period of time used for the commodity pricing data has to be relevant to the time period revenue was recorded.

.A21 Certain information to be used as audit evidence may have direct relevance to one financial statement assertion but may not be relevant to all assertions:

- Inspection of a document constituting a financial instrument, such as a stock, bond, or a digital copy of a mortgage, may provide

relevant audit evidence about existence but may not necessarily provide audit evidence about ownership or valuation.

- Inspection of tangible assets may provide relevant audit evidence with respect to their existence but not necessarily about the entity's rights and obligations.
- The collection of receivables after the period-end may provide relevant audit evidence regarding existence and valuation of receivables and occurrence and accuracy of revenue but not necessarily completeness of receivables and revenue.

.A22 Reliability. The reliability of audit evidence depends on the nature and source of the audit evidence and the circumstances under which it is obtained. Generally, the reliability of audit evidence increases when it is obtained from external parties because the information is less susceptible to management bias. Consideration of the sources of information to be used as audit evidence includes the possibility that the information source may not be reliable.

.A23 Information obtained directly by the auditor (for example, observation of the application of a control) may be more reliable than information obtained indirectly or by inference (for example, inquiry about the application of a control). When information has been obtained indirectly or by inference, the auditor may perform additional audit procedures to evaluate the reliability of that information, such as by reperforming the control activity.

.A24 Information in documentary form, whether paper or electronic, may be more reliable than evidence obtained through oral inquiries (for example, a contemporaneously written record of a meeting may be more reliable than a subsequent oral representation of the matters discussed).

.A25 Determining whether controls are effectively designed and implemented (including general IT controls, as appropriate) may help the auditor design appropriate audit procedures to evaluate the reliability of information.²¹ In some cases, the reliability of such information may only be established when the related controls, whether manual or automated, including those over the preparation and maintenance of the information, have been tested and determined to be operating effectively.²²

.A26 Using electronic information may require the auditor to perform additional audit procedures to establish its reliability. For example, when using a scanned version of an executed sales contract provided by the sales department, additional audit procedures, such as confirmation of the key terms with a third party, may be necessary if the auditor has not tested the operating effectiveness of the controls around execution of the original contract and the maintenance of the scanned version.

.A27 The reliability of information to be used as audit evidence is affected to varying degrees by the following attributes, individually or in combination:

- Accuracy
- Completeness
- Authenticity
- Susceptibility to management bias

These attributes are also relevant when automated tools and techniques are used to obtain audit evidence.

²¹ See paragraph .07 of this section.

²² See also paragraph .05b of section 520, *Analytical Procedures*.

.A28 *Controls Over Information to Be Used as Audit Evidence.* When information has been transformed from its original medium (for example, documents that have been filmed, digitized, or otherwise transformed to electronic form), the reliability of that information may depend on the controls over the information's transformation and maintenance. In some situations, the auditor may determine that additional audit procedures are necessary to address reliability (for example, inspecting underlying original documents to validate the authenticity of information in electronic form). In other situations, the auditor may determine that it is necessary to test controls over the transformation and maintenance of the information.

.A29 Similarly, when a significant amount of information is electronically initiated, recorded, processed, or reported, information to be used as audit evidence may be available only in electronic form. In such cases, the sufficiency and appropriateness of the audit evidence usually depends on the effectiveness of controls over their accuracy and completeness. Furthermore, the potential for improper initiation or alteration of information to occur and not be detected may be greater if information is initiated, recorded, processed, or reported only in electronic form, and appropriate controls are not operating effectively.

.A30 *Authenticity.* An audit performed in accordance with GAAS rarely involves the authentication of documents, nor is the auditor trained as, or expected to be, an expert in such authentication. When the auditor identifies conditions that cause the auditor to believe that a document may not be authentic, that terms in a document may have been modified but not disclosed to the auditor, or that undisclosed side agreements may exist, the auditor may determine that additional audit procedures are necessary, including audit procedures to evaluate authenticity. Such audit procedures may include

- confirming directly with the third party.
- using the work of a specialist to assess the document's authenticity.²³

.A31 *Susceptibility to Management Bias.* Information with a higher susceptibility to management bias is considered less reliable than information for which the susceptibility to management bias is lower unless audit procedures have been performed to address the higher susceptibility to management bias.

.A32 A susceptibility to management bias may exist in the development of information itself or may exist due to interpretation of the information by the entity. A greater susceptibility to management bias may exist when information is generated from internal sources.

.A33 In accordance with section 200, the auditor is required to exercise professional judgment.²⁴ This includes determining the impact of management bias in evaluating the reliability of information from external information sources to be used as audit evidence. Determining the effect of management bias involves considering the following:

- a. The ability of the entity to influence the external information source
- b. Management's selection of information from an external source known to be favorably biased toward corroborating management's assertions or information

²³ Paragraph .A11 of section 240, *Consideration of Fraud in a Financial Statement Audit*.

²⁴ Paragraph .18 of section 200.

.A34 External information is more likely to be suitable for use by a broad range of users and less likely to be subject to influence by any particular user if the external individual or organization provides it to the public for free or makes it available to a wide range of users in return for payment of a fee.

Corroborative or Contradictory Information (Ref: par. .07b)

.A35 Section 330 states that, in forming a conclusion about whether sufficient appropriate audit evidence has been obtained, the auditor should consider all relevant audit evidence, regardless of whether it appears to corroborate or contradict the assertions being tested by the auditor or the amounts recorded in the financial statements.²⁵

.A36 Evaluating information to be used as audit evidence involves taking into account information that corroborates assertions or contradicts assertions in the financial statements. For example, audit evidence obtained through the inspection of an original document may corroborate a financial statement assertion, whereas audit evidence obtained from confirmation with an external party may contradict that financial statement assertion. In this example, additional audit evidence may be necessary to enable the auditor to conclude on the relevant assertion.

.A37 Contradictory information may be relevant even when the source of that information is less reliable than the source of corroborative information. For example, in the audit of a depository institution, reports of decreasing property values in a particular geographical area may have been obtained by the auditor that contradicted the report of an external appraisal provided by management to support its estimate of the values of collateral for a loan portfolio. In this case, given that contradictory information has been obtained, the auditor may determine that it is necessary to perform additional audit procedures to obtain audit evidence about the value of the property.

.A38 Contradictory information is not considered in isolation but, rather, as part of the auditor's consideration with respect to that management assertion taken as a whole. In such cases, professional skepticism and judgment is necessary to evaluate the persuasiveness of the audit evidence taken as a whole, rather than focusing on an individual piece of audit evidence. For example, the auditor may be aware of information on social media suggesting a company's product has major quality issues and that all buyers would be returning the product. The auditor may have obtained external confirmations regarding product sales and outstanding accounts receivable that do not indicate quality or return issues and may have scanned the sales returns subsidiary ledger, which contained only an immaterial amount of returns subsequent to year-end. In light of that, the auditor may conclude that the contradictory information does not suggest a reasonable possibility of a risk of material misstatement and that further audit procedures are not necessary.

Evaluating Whether the Information Is Sufficiently Precise and Detailed for the Auditor's Purposes (Ref: par. 08a)

.A39 In some cases, the auditor may intend to use information obtained from management for other audit purposes. For example, the auditor may use the performance measures included in the entity's internal audit function reports, initially obtained for the purpose of evaluating monitoring activities, in a substantive analytical procedure. In such cases, the appropriateness of this information to be used as audit evidence is affected by whether the information is sufficiently precise or detailed for the auditor's purposes.

²⁵ Paragraph .28 of section 330.

Accuracy and Completeness (Ref: par. .08b)

.A40 In accordance with paragraph 8, the auditor is required to determine whether it is necessary to obtain audit evidence about the accuracy and completeness of information to be used as audit evidence. Examples of this would be the reliability of

- the price and sales volume data produced by the entity used to develop an expectation of revenue is affected by the accuracy and completeness of the information being used.
- a population being tested for a certain characteristic, such as payment authorization, is affected by the completeness of the population from which items are selected.

.A41 The auditor may obtain audit evidence about the accuracy or completeness of information to be used as audit evidence through the performance of an audit procedure that was not primarily intended for that purpose. For example, in testing valuation, the auditor may reconcile the listing of investment purchases for completeness before selecting a sample. In other situations, the auditor may consider it necessary to obtain audit evidence about the accuracy and completeness of information by testing controls over the preparation and maintenance of the information (for example, in light of the nature, frequency, and volume of transactions).

.A42 In contrast to paragraph .A41, evaluating certain attributes related to the relevance and reliability of information obtained from external information sources, such as completeness, used by the auditor may not be practicable. Procedures regarding the reliability of external information may depend on how the external information will be used in the execution of an audit procedure because the auditor may not be able to evaluate the completeness and accuracy of information obtained from an external source to the same degree as the auditor would evaluate the completeness and accuracy of internal information obtained from management. For example, when using information from external information sources to perform an audit data analytic, the auditor's evaluation may focus more on the quality of that information (for example, that the information was from a reputable source), rather than its completeness.

Audit Procedures as a Basis for Concluding on the Sufficiency and Appropriateness of Audit Evidence (Ref: par. .09)

.A43 Audit procedures performed on information may include inspection, observation, confirmation, recalculation, reperformance, and analytical procedures, often in some combination, in addition to inquiry. These audit procedures may be performed either manually or using automated tools and techniques. The nature, timing, and extent of audit procedures performed on information influences the persuasiveness of the audit evidence obtained. For example, inspection or observation may provide more persuasive audit evidence than inquiry.

.A44 As explained further in section 315 and section 330, to draw reasonable conclusions on which to base the auditor's opinion, audit evidence is obtained by performing the following:^{26,27}

- a. Risk assessment procedures
- b. Further audit procedures, which comprise

²⁶ Paragraphs .05–.06 of section 315.

²⁷ Paragraphs .06–.07 of section 330.

- i.* tests of controls, when required by the AU-C sections or when the auditor has chosen to do so, and
- ii.* substantive procedures, which include tests of details and substantive analytical procedures

An audit procedure may have characteristics of one or more of the preceding categories and can be designed to accomplish more than one objective. The auditor's focus is on evaluating the results of the audit procedures performed.

.A45 The auditor may use automated tools and techniques to process, organize, structure, or present data in a given context in order to generate useful information that can be used as audit evidence.

.A46 An auditor may use automated tools and techniques to perform both a risk assessment procedure and a substantive procedure concurrently. As illustrated by the concepts in exhibit A, a properly designed audit data analytic may be used to perform risk assessment procedures and may also provide sufficient appropriate audit evidence to address a risk of material misstatement.

.A47 The auditor may also use automated tools and techniques to obtain audit evidence about the operation of the entity's internal control. For example, if management has controls over the sequential numbering of sales invoices, the auditor may be able to obtain corroborating audit evidence about the sequential numbering of sales invoices for the period by using automated tools and techniques to determine whether any gaps in numbering or duplicates exist, which may provide audit evidence about the controls over the completeness of invoices issued during the period.

.A48 Some information may be available only in electronic form or only at certain points or periods in time, which may affect the nature and timing of the audit procedures to be performed.

.A49 Certain electronic information may be destroyed or deleted after a specified period of time (for example, if files are changed and back-up files do not exist). Accordingly, as a result of the entity's data retention policies, the auditor may find it necessary to request retention of some information for the performance of audit procedures at a later point in time or to perform audit procedures at a time when the information is available.

.A50 Some electronic information (for example, records maintained on a distributed ledger, such as a blockchain) is available on a continuous basis during the audit. In such cases, auditors may develop audit procedures using automated tools and techniques to obtain information about transactions on a real-time basis.

Inspection

.A51 Inspection involves an examination (being physically present or using remote observation tools) of an asset or an examination of records or documents, whether internal or external or in paper form, electronic form, or other media. An example of inspection used as a test of controls is inspection of records, using manual or automated techniques, for evidence of authorization. An example of an automated technique for inspection is the use of text-recognition programs to examine large populations of documents, such as contracts, to identify items for further audit consideration.

Observation

.A52 Observation includes looking at a process or procedure being performed by others (for example, the auditor's observation of inventory counting by the entity's personnel or the performance of control activities).

.A53 Remote observation tools (for example, a camera mounted on a drone or a video transmission) may aid the auditor in performing an inspection or an observation procedure, such as management's physical inventory count.

.A54 Audit evidence obtained through observation procedures is limited to the point in time at which the observation takes place and by the fact that the act of being observed may affect how the process or procedure is performed.

Confirmation

.A55 An external confirmation is defined as audit evidence obtained as a direct written response to the auditor from a third party (the confirming party), either in paper form or by electronic or other medium (for example, through the auditor's direct access to information held by a third party). See section 505, *External Confirmations*, for further guidance.

Recalculation

.A56 Recalculation consists of testing the mathematical accuracy of information. Recalculation may be performed manually or using automated tools and techniques.

.A57 By using automated tools and techniques, auditors may be able to perform recalculation procedures on 100% of a population, for example, recalculating the gross margin for each product sold for an entity's product line.

Reperformance

.A58 Reperformance involves the independent execution of procedures or controls by the auditor that were originally performed as part of the entity's internal control.

Analytical Procedures

.A59 Analytical procedures consist of evaluations of financial information through analysis of plausible relationships among both financial and nonfinancial data. Analytical procedures also encompass investigation as necessary of identified fluctuations or relationships that are inconsistent with other relevant information or that differ from expected values by a significant amount. Audit data analytics are techniques that the auditor may use to perform risk assessment procedures or substantive procedures.

.A60 Use of audit data analytics may enable auditors to identify areas that might represent specific risks relevant to the audit, including the existence of unusual transactions and events, and amounts, ratios, and trends that warrant investigation. An analytical procedure performed using audit data analytics may be used to produce a visualization of transactional detail to assist the auditor in performing risk assessment procedures. For example, a visualization depicting the composition of a population may be prepared to illustrate the volume and dollar value of items in the population. Although the auditor may find this technique useful in obtaining information in order to identify and assess the risks of material misstatement, the information provided may not be sufficiently precise for the auditor's purpose of obtaining information to respond to the assessed risks of material misstatement at the assertion level.

.A61 Analytical procedures involve the auditor's exercise of professional judgment and may be performed manually or by using automated tools and techniques. For example, the auditor may manually scan data to identify significant or unusual items to test, which may include the identification of unusual individual items within account balances or other data through the reading or analysis of entries in transaction listings, subsidiary ledgers, general ledger control accounts, adjusting entries, suspense accounts, reconciliations, and other detailed reports for indications of misstatements that have occurred.

The auditor also might use automated tools and techniques to scan an entire population of transactions and identify those transactions meeting the auditor's criteria for a transaction being unusual. The identification of items that exhibit characteristics of risk of material misstatement through analytical procedures provides the auditor with audit evidence about those items. Analytical procedures also provide audit evidence about the items not exhibiting characteristics of risks of material misstatements because the auditor has determined, exercising professional judgment, that the items not selected for further audit procedures are less likely to be materially misstated.

Inquiry

.A62 Inquiry consists of seeking information, both financial and nonfinancial, from knowledgeable persons within the entity or outside the entity. Inquiry is used extensively throughout the audit, in addition to other audit procedures.

.A63 Responses to inquiries may provide the auditor with information that corroborates other information or with new information. Alternatively, responses might provide information that contradicts other information that the auditor has obtained (for example, regarding the possibility of management override of controls). Responses to inquiries may provide a basis for the auditor to modify or perform additional audit procedures. Evaluating responses to inquiries is an integral part of the inquiry process.

.A64 Inquiries of knowledgeable persons outside the entity do not meet the definition of *external confirmations* in accordance with section 505. However, the responses to inquiries of persons outside of the entity are considered in accordance with this section and may constitute reliable information to be used as audit evidence.

Inconsistencies in, or Doubts About the Reliability of, Audit Evidence ***(Ref: par. .10)***

.A65 Information obtained from different sources may indicate that an individual item of audit evidence is not reliable, such as when audit evidence obtained from one source is inconsistent with that obtained from another. This may be the case when, for example, an external confirmation is inconsistent with the terms of a debt obligation. Section 230, *Audit Documentation*, includes a specific documentation requirement if the auditor identifies information that is inconsistent with the auditor's final conclusion regarding a significant finding or issue.²⁸

.A66 In the case of inquiries about management's intent, the information available to support management's intent may be limited.²⁹ Section 580, *Written Representations*, provides guidance about obtaining written representations that address management's intent. Maintaining professional skepticism is particularly important when corroborative audit evidence is limited to inquiry. In such circumstances, it may be helpful to consider the consistency, or lack thereof, between the information obtained through inquiry and management's history of carrying out its stated intentions, management's stated reasons for choosing a course of action, and management's ability to pursue a specific course of action.

²⁸ Paragraph .12 of section 230, *Audit Documentation*.

²⁹ Paragraph .A13 of section 580, *Written Representations*.

.A67

Appendix A — Considerations Regarding the Use of External Information Sources (Ref: par. .A12b)

1. As defined in paragraph 6 of this section, an *external information* source is an external individual or organization that provides information used by the entity in preparing the financial statements or that has been obtained by the auditor as audit evidence, when such information is suitable for use by a broad range of users.

2. External information sources may include pricing services, governmental organizations, central banks, recognized stock exchanges, media, or academic journals. Examples of information that may be obtained from external information sources include the following:

- Prices and pricing-related data
- Macroeconomic data, such as historical and forecast unemployment rates and economic growth rates, or census data
- Credit history data
- Industry-specific data, such as an index of reclamation costs for certain extractive industries or viewership information or ratings used to determine advertising revenue in the entertainment industry
- Mortality tables used to determine liabilities in the life insurance and pension sectors
- Documents or records on websites or in databases or distributed ledgers

3. As set forth in generally accepted auditing standards, an external individual or organization cannot, in respect of any particular set of information, be both an external information source and

- a management's specialist,
- a service organization, or
- an auditor's specialist.

4. However, an external individual or organization may, for example, be acting as a management's specialist when providing a particular set of information but acting as an external information source when providing a different set of information. Professional judgment may be needed to determine whether an external individual or organization is acting as an external information source or as a management's specialist with respect to a particular set of information. The following examples illustrate some of the considerations that may be used. Each situation may be influenced by individual facts and circumstances:

- An external individual or organization may be providing information about real estate prices that is suitable for use by a broad range of users, for example, information made generally available pertaining to a geographical region, and determined to be an external information source with respect to that set of information. The same external organization may also be acting as a management's or auditor's specialist in providing commissioned valuations, with respect to the entity's real estate portfolio specifically tailored for the entity's facts and circumstances.

- Some actuarial organizations publish mortality tables for general use that, when used by an entity, would generally be considered to be information from an external information source. The same actuarial organization may also be a management's specialist with respect to different information tailored to the specific circumstances of the entity to help management determine the pension liability for several of the entity's pension plans.
- An external individual or organization may possess expertise in the application of models to estimate the fair value of securities for which there is no observable market. If the external individual or organization applies that expertise in making an estimate specifically for the entity and that work is used by management in preparing its financial statements, the external individual or organization is likely to be a management's specialist with respect to that information. If, on the other hand, that external individual or organization merely provides, to the public, prices or pricing-related data regarding private transactions, and the entity uses that information in its own estimation methods, the external individual or organization is likely to be an external information source with respect to such information.
- An external individual or organization may publish information, suitable for a broad range of users, about risks or conditions in an industry. If used by an entity in preparing its risk disclosures (for example, in compliance with FASB *Accounting Standards Codification 275, Risk and Uncertainties*), such information would ordinarily be considered to be information from an external information source. However, if the same type of information has been specifically commissioned by the entity to use its expertise to develop information about those risks, tailored to the entity's circumstances, the external individual or organization is likely to be acting as a management's specialist.
- An external individual or organization may apply its expertise in providing information about current and future market trends, which it makes available to, and is suitable for use by, a broad range of users. If used by the entity to help make decisions about assumptions to be used in making accounting estimates, such information is likely to be considered to be information from an external information source. If the same type of information has been commissioned by the entity to address current and future trends relevant to the entity's specific facts and circumstances, the external individual or organization is likely to be acting as a management's specialist.

5. The auditor is required by paragraph 7 of this section to take into account the relevance and reliability of information to be used as audit evidence regardless of whether that information has been used by the entity in preparing the financial statements or was obtained by the auditor. For information obtained from an external information source, that consideration may, in certain cases, include

- information about the external information source,
- details about the preparation of the information by the external information source, or
- audit evidence obtained through designing and performing further audit procedures in accordance with section 330, *Performing*

Audit Procedures in Response to Assessed Risks and Evaluating the Audit Evidence Obtained, or, where applicable, section 540, *Auditing Accounting Estimates, Including Fair Value Accounting Estimates, and Related Disclosures*.

6. Obtaining an understanding of why management or, when applicable, a management's specialist uses an external information source, and how the relevance and reliability of the information was taken into account (including its accuracy and completeness), may help inform the auditor's consideration of relevance and reliability of that information.

7. The following factors may be important when taking into account the relevance and reliability of information obtained from an external information source, including its accuracy and completeness. Some of these factors may only be relevant when the information has been used by management in preparing the financial statements or has been obtained by the auditor:

- The nature and authority of the external information source (for example, a central bank or government statistics office with a legislative mandate to provide industry information to the public may be considered a reliable external information source for certain types of information.)
- The ability of management to influence the information obtained, through relationships between the entity and the external information source
- The competence and reputation of the external information source with respect to the information, including whether, in the auditor's professional judgment, the information is routinely provided by an external information source with a track record of providing reliable information
- Past experience of the auditor with the reliability of the information provided by the external information source
- Evidence of general market acceptance by users of the relevance or reliability of information from an external information source for a similar purpose to that for which the information has been used by management or the auditor
- Whether the entity has in place controls to address the relevance and reliability of the information obtained and used
- Whether the external information source accumulates overall market information or engages directly in "setting" market transactions
- Whether the information is suitable for use in the manner in which it is being used and, if applicable, was developed taking into account the applicable financial reporting framework
- Alternative information that may contradict the information used
- The nature and extent of disclaimers or other restrictive language relating to the information obtained¹
- Information about the methods used in preparing the information; how the methods are being applied including, where applicable,

¹ Paragraphs .A56-.A62 of section 501, *Audit Evidence — Specific Considerations for Selected Items*.

how models have been used in such application; and the controls over the methods

- When available, information relevant to considering the appropriateness of assumptions and other data applied by the external information sources in developing the information obtained

8. The nature and extent of the auditor's consideration takes into account the assessed risks of material misstatement at the assertion level to which the use of the external information is relevant, the degree to which the use of that information is relevant to the reasons for the assessed risks of material misstatement, and the possibility that the information from the external information source may not be reliable (for example, whether it is from a credible source). Based on the auditor's consideration of the matters described in paragraph 5 of this appendix, the auditor may determine that

- a. further understanding of the entity and its environment, including its internal control, is needed, in accordance with section 315, *Understanding the Entity and Its Environment and Assessing the Risks of Material Misstatement*, or
- b. further audit procedures, in accordance with section 330² and section 540,³ when applicable, are appropriate in the circumstances, to respond to the assessed risks of material misstatement at the assertion level related to the use of information from an external information source. Such audit procedures may include the following:
 - i. Performing a comparison of information obtained from the external information source with information obtained from an alternative independent information source
 - ii. When relevant to considering management's use of an external information source, obtaining an understanding of controls management has in place to consider the reliability of the information from external information sources and potentially testing the operating effectiveness of such controls
 - iii. Performing procedures to obtain information from the external information source to understand its processes, techniques, and assumptions, for the purposes of identifying, understanding, and when relevant, testing the operating effectiveness of its controls

9. When the auditor does not have a sufficient basis upon which to consider the relevance and reliability of information from an external information source, the auditor may have a limitation on scope if sufficient appropriate audit evidence cannot be obtained through alternative procedures. Any imposed limitation on scope is evaluated in accordance with the requirements of section 705, *Modifications to the Opinion in the Independent Auditor's Report*.

² Paragraph .06 of section 330, *Performing Audit Procedures in Response to Assessed Risks and Evaluating the Audit Evidence Obtained*.

³ Paragraphs .12–.14 of section 540, *Auditing Accounting Estimates, Including Fair Value Accounting Estimates, and Related Disclosures*.

.A68

Appendix B — Amendments to Various Sections in Statement on Auditing Standards No. 122, *Statements on Auditing Standards: Clarification and Recodification, as Amended*

(*Boldface italics* denote new language. Deleted text is shown in strikethrough.)

1. The amendment to each section in this appendix is effective for audits of financial statements for periods ending on or after December 15, 2022.

AU-C Section 200, *Overall Objectives of the Independent Auditor and the Conduct of an Audit in Accordance With Generally Accepted Auditing Standards*

[No amendment to paragraphs .01–.13.]

Definitions

.14 For purposes of GAAS, the following terms have the meanings attributed as follows:

...

~~**Audit evidence. Information used by the auditor in arriving at the conclusions on which the auditor's opinion is based. Audit evidence includes both information contained in the accounting records underlying the financial statements and other information. Sufficiency of audit evidence is the measure of the quantity of audit evidence. The quantity of the audit evidence necessary needed is affected by the auditor's assessment of the risks of material misstatement, and also by the quality of such audit evidence. Appropriateness of audit evidence is the measure of that is, its relevance and reliability in providing support for the conclusions on which the auditor's opinion is based.**~~

...

[No amendment to paragraphs .15–.18.]

Sufficient Appropriate Audit Evidence and Audit Risk

.19 To obtain reasonable assurance, the auditor should obtain sufficient appropriate audit evidence⁴ to reduce audit risk to an acceptably low level and thereby enable the auditor to draw reasonable conclusions on which to base the auditor's opinion. (Ref: par. .A32–.A56)

⁴See *paragraph .06 of section 500, Audit Evidence, for the definition of audit evidence.*

[Subsequent footnotes renumbered.]

[No amendment to paragraphs .20–.A26. Paragraph .A26 included for contextual purposes only.]

...

.A26 The auditor neither assumes that management is dishonest nor assumes unquestioned honesty. The auditor cannot be expected to disregard past experience of the honesty and integrity of the entity's management and those charged with governance. Nevertheless, a belief that management and those charged with governance are honest and have integrity does not relieve the auditor of the need to maintain professional skepticism or allow the auditor to be

satisfied with less than persuasive audit evidence when obtaining reasonable assurance.

.A27 Unconscious or conscious auditor biases may affect the auditor's professional skepticism and professional judgment, including, for example, in the design and performance of audit procedures or the evaluation of audit evidence. Examples of unconscious auditor biases that may impede the maintenance of professional skepticism and, therefore, the reasonableness of the professional judgments made by the auditor in complying with the requirements of this section, may include the following:

- **Availability bias, which is a tendency to place more weight on events or experiences that immediately come to mind or are readily available than on those that are not**
- **Confirmation bias, which is a tendency to place more weight on information that corroborates an existing belief than information that contradicts or casts doubt on that belief**
- **Overconfidence bias, which is a tendency to overestimate one's own ability to make accurate assessments of risk or other judgments or decisions**
- **Anchoring bias, which is a tendency to use an initial piece of information as an anchor against which subsequent information is inadequately assessed**
- **Automation bias, which is a tendency to favor output generated from automated systems, even when human reasoning or contradictory information raises questions about whether such output is reliable or fit for purpose**

[Paragraphs .A27–.A86 have been renumbered.]

[No amendment to paragraphs .A27–.A75.]

.A76 The auditor is required by paragraph .23b to use the objectives stated in the relevant AU-C sections to evaluate whether sufficient appropriate audit evidence has been obtained in the context of the overall objectives of the auditor. If, as a result, the auditor concludes that **sufficient appropriate** the audit evidence **has not been obtained** ~~is not sufficient and appropriate~~, then the auditor may follow one or more of the following approaches to meeting the requirement of paragraph .23b:

- Evaluate whether further relevant audit evidence has been, or will be, obtained as a result of complying with other AU-C sections, **in particular, section 330**.
- Extend the work performed in applying one or more requirements.
- Perform other procedures judged by the auditor to be necessary in the circumstances.

When none of the preceding is expected to be practical or possible in the circumstances, the auditor will not be able to obtain sufficient appropriate audit evidence and is required by GAAS to determine the effect on the auditor's report or on the auditor's ability to complete the engagement.

[No further amendment to section 200.]

AU-C Section 230, Audit Documentation

[No amendment to paragraphs .01–.05.]

.06 For purposes of GAAS, the following terms have the meanings attributed as follows:

Audit documentation. The record of audit procedures performed, relevant audit evidence obtained, and conclusions the auditor reached (terms such as *working papers* or *workpapers* are also sometimes used)...

[No further amendment to section 230.]

AU-C Section 315, *Understanding the Entity and Its Environment and Assessing the Risks of Material Misstatement*

[No amendment to paragraphs .01–.A80.]

.A81 *Audit evidence for elements of the control environment.* ~~Relevant~~ **Audit evidence *related to elements of the control environment*** may be obtained through a combination of inquiries and other risk assessment procedures, such as corroborating inquiries through observation or inspection of documents. For example, through inquiries of management and employees, the auditor may obtain an understanding of how management communicates to employees management's views on business practices and ethical behavior. The auditor may then determine whether relevant controls have been implemented by considering, for example, whether management has a written code of conduct and whether it acts in a manner that supports the code.

[No further amendment to section 315.]

AU-C Section 330, *Performing Audit Procedures in Response to Assessed Risks and Evaluating the Audit Evidence Obtained*

[No amendment to paragraphs .01–.05.]

.06 The auditor should design and perform further audit procedures whose nature, timing, and extent are based on, and are responsive to, the assessed risks of material misstatement at the assertion level ***and in a manner that is not biased towards obtaining audit evidence that may be corroborative or towards excluding audit evidence that may be contradictory. When evaluating audit evidence with respect to the assessed risks of material misstatement, the auditor maintains professional skepticism, including when considering information that may be used as audit evidence and what procedures would be appropriate in the circumstances.***

[No amendment to paragraphs .07–.27.]

.28 The auditor should conclude whether sufficient appropriate audit evidence has been obtained. In forming a conclusion, the auditor should consider all relevant audit evidence, regardless of whether it appears to corroborate or contradict the assertions in the financial statements.

[No amendment to paragraphs .29–.A47.]

.A48 The nature of the risk and assertion is relevant to the design of tests of details. For example, tests of details related to the existence or occurrence assertion may involve selecting from items contained in a financial statement amount and obtaining relevant audit evidence. On the other hand, tests of details related to the completeness assertion may involve selecting from items that are expected to be included in the relevant financial statement amount and investigating whether they are included. For example, the auditor might inspect subsequent cash disbursements and compare them with the recorded accounts payable to determine whether any purchases had been omitted from accounts payable.

[No amendment to paragraphs .A49–.A50.]

.A51 External confirmation procedures frequently may be relevant when addressing assertions associated with account balances and their elements but need not be restricted to these items. For example, the auditor may request external confirmation of the terms of agreements, contracts, or transactions between an entity and other parties. External confirmation procedures also may be performed to obtain audit evidence about the absence of certain conditions. For example, a request may specifically seek confirmation that no "side agreement" exists that may be relevant to an entity's revenue cut-off assertion. Other situations in which external confirmation procedures may provide relevant audit evidence in responding to assessed risks of material misstatement include the following:

- Bank balances and other information relevant to banking relationships
- Inventories held by third parties at bonded warehouses for processing or on consignment
- Property title deeds held by lawyers or financiers for safe custody or as security
- Investments held for safekeeping by third parties or purchased from stockbrokers but not delivered at the balance sheet date
- Amounts due to lenders, including relevant terms of repayment and restrictive covenants
- Accounts payable balances and terms

.A52 Although external confirmations may provide relevant audit evidence relating to certain assertions, some assertions exist for which external confirmations provide *less persuasive* audit evidence, for example, *external confirmations provide less* persuasive audit evidence relating to the recoverability of accounts receivable balances than they do of their existence.

[No amendment to paragraphs .A53–.A58.]

.A59 Audit evidence in the form of external confirmations received directly by the auditor from appropriate confirming parties may assist the auditor in obtaining audit evidence ~~with the high level of reliability~~ that the auditor requires to respond to significant risks of material misstatement, whether due to fraud or error. For example, if the auditor identifies that management is under pressure to meet earnings expectations, a risk may exist that management is inflating sales by improperly recognizing revenue related to sales agreements with terms that preclude revenue recognition or by invoicing sales before shipment. In these circumstances, the auditor may, for example, design external confirmation procedures not only to confirm outstanding amounts but also to confirm the details of the sales agreements, including date, any rights of return, and delivery terms. In addition, the auditor may find it effective to supplement such external confirmation procedures with inquiries of nonfinancial personnel in the entity regarding any changes in sales agreements and delivery terms.

[No amendment to paragraphs .A60–.A65.]

.A66 An effective test provides appropriate audit evidence to the extent that it will be sufficient for the auditor's purpose when taken with other audit evidence obtained or to be obtained. In selecting items for testing, the auditor is required by section 500 to *consider* determine the relevance and reliability of information to be used as audit evidence;¹² the other aspect of effectiveness (~~sufficiency~~ *extent*) is an important consideration in selecting items to test. The means available to the auditor for selecting items for testing are

- a. selecting all items (100 percent examination),

- b. selecting specific items, and
- c. audit sampling.

¹² [Footnote omitted for purposes of this section.]

[No amendment to paragraphs .A67–.A74.]

.A75 By performing audit procedures, the auditor may determine that the accounting records are internally consistent and agree to the financial statements. However, accounting records alone do not provide sufficient appropriate audit evidence on which to base an audit opinion on the financial statements.

[Paragraph .A75 is renumbered as .A76.]

~~.A76~~.A77 The auditor's conclusion of whether sufficient appropriate audit evidence has been obtained is both at the relevant assertion level as well as the financial statement level. AU-C section 500 enables the auditor to evaluate the results of audit procedures to inform the auditor's overall conclusion about whether sufficient appropriate audit evidence has been obtained as required by paragraph .28. The auditor's professional judgment about what constitutes sufficient appropriate audit evidence is influenced by ***the following additional*** such factors: as the

- ***S***ignificance of the potential misstatement in the relevant assertion and the likelihood of its having a material effect, individually or aggregated with other potential misstatements, on the financial statements (see section 450, *Evaluation of Misstatements Identified During the Audit*);
- ***E***ffectiveness of management's responses and controls to address the risks;
- ***E***xperience gained during previous audits with respect to similar potential misstatements;
- ***W***hether ***the*** audit procedures that were performed identified specific instances of fraud or error;
- ***s***ource and reliability of the available information;
- ***p***ersuasiveness of the audit evidence;
- ***U***nderstanding of the entity and its environment, including its internal control;

[Paragraph .A76 is renumbered as .A77.]

[No further amendment to section 330.]

AU-C Section 501, Audit Evidence — Specific Considerations for Selected Items

NOTE

Although SAS No. 142 supersedes SAS No. 122, as amended, section 500 (codified as AU-C section 500A in AICPA *Professional Standards* until the effective date of SAS No. 142), SAS No. 142 transfers the management's specialist content from section 500A to section 501.

The following paragraphs have been transferred from section 500A to section 501 and revised, as necessary:

1. Paragraph .05, definition of *management's specialist*

2. Paragraph .08, under the "Information to Be Used as Audit Evidence" heading, and corresponding application paragraphs .A35–.A49

Scope of This Section

.01 This section addresses specific considerations by the auditor in obtaining sufficient appropriate audit evidence, in accordance with section 330, *Performing Audit Procedures in Response to Assessed Risks and Evaluating the Audit Evidence Obtained*; section 500, *Audit Evidence*; and other relevant AU-C sections, regarding certain aspects of (a) investments in securities and derivative instruments; (b) inventory; (c) litigation, claims, and assessments involving the entity; and (d) segment information in an audit of financial statements; **and (e) use of management’s specialists.**

[No amendment to paragraph .02.]

Objective

.03 The objective of the auditor is to obtain sufficient appropriate audit evidence regarding the

- a. valuation of investments in securities and derivative instruments;
- b. existence and condition of inventory;
- c. completeness of litigation, claims, and assessments involving the entity; and
- d. presentation and disclosure of segment information, in accordance with the applicable financial reporting framework; **and**
- e. **use of management’s specialists.**

Definition

.04 For purposes of GAAS, the following term has the meaning attributed as follows:

Management’s specialist. An individual or organization possessing expertise in a field other than accounting or auditing, whose work in that field is used by the entity to assist the entity in preparing the financial statements.

[Subsequent paragraphs renumbered. No amendment to paragraphs .05–.25.]

Use of Management’s Specialists

.26 If information to be used as audit evidence has been prepared using the work of a management’s specialist, the auditor should, to the extent necessary, taking into account the significance of that specialist’s work for the auditor’s purposes (Ref: par. .A69–.A71)

- a. evaluate the competence, capabilities, and objectivity of that specialist; (Ref: par. .A72–.A78)
- b. obtain an understanding of the work of that specialist; and (Ref: par. .A79–.A82)
- c. evaluate the appropriateness of that specialist’s work as audit evidence for the relevant assertion. (Ref: par. .A83)

[No amendment to paragraphs .A1–.A68.]

Use of Management’s Specialists (Ref: par. .26)

.A69 The preparation of an entity’s financial statements may require expertise in a field other than accounting or auditing, such as actuarial calculations, valuations, or engineering data. The entity uses a

*management's specialist in these fields to obtain the needed expertise to prepare the financial statements. Failure to do so when such expertise is necessary increases the risks of material misstatement and may be a significant deficiency or material weakness.*¹²

¹² See section 265, *Communicating Internal Control Related Matters Identified in an Audit*, for further guidance.

.A70 When information to be used as audit evidence has been prepared using the work of a management's specialist, the requirement in paragraph .26 applies. For example, an individual or organization may possess expertise in the application of models to estimate the fair value of securities for which no observable market exists. If the individual or organization applies that expertise in making an estimate, which the entity uses in preparing its financial statements, the individual or organization is a management's specialist, and paragraph .26 applies. If, on the other hand, that individual or organization merely provides price data regarding private transactions not otherwise available to the entity, which the entity uses in its own estimation methods, such information, if used as audit evidence, is subject to paragraph .07 of section 500, but it is not the use of a management's specialist by the entity.

.A71 The nature, timing, and extent of audit procedures with regard to the requirement in paragraph .26 may be affected by such matters as the following:

- *The nature and complexity of the matter to which the management's specialist relates*
- *The risks of material misstatement of the matter*
- *The availability of alternative sources of audit evidence*
- *The nature, scope, and objectives of the work of the management's specialist*
- *Whether the management's specialist is employed by the entity or is a party engaged by it to provide relevant services*
- *The extent to which management can exercise control or influence over the work of the management's specialist*
- *Whether the management's specialist is subject to technical performance standards or other professional or industry requirements*
- *The nature and extent of any controls within the entity over the work of the management's specialist*
- *The auditor's knowledge and experience of the field of expertise of management's specialist*
- *The auditor's previous experience of the work of that specialist*

The Competence, Capabilities, and Objectivity of a Management's Specialist (Ref: par. .26a)

.A72 Competence relates to the nature and level of expertise of the management's specialist. Capability relates to the ability of the management's specialist to exercise that competence in the circumstances. Factors that influence capability may include, for example, geographic location and the availability of time and resources. Objectivity relates to the possible effects that bias, conflict of interest, or the influence of

others may have on the professional or business judgment of the management's specialist. The competence, capabilities, and objectivity of a management's specialist, and any controls within the entity over that specialist's work, are important factors with regard to the reliability of any information produced by a management's specialist.

.A73 Information regarding the competence, capabilities, and objectivity of a management's specialist may come from a variety of sources, such as the following:

- *Personal experience with previous work of that specialist*
- *Discussions with that specialist*
- *Discussions with others who are familiar with that specialist's work*
- *Knowledge of that specialist's qualifications, membership in a professional body or industry association, license to practice, or other forms of external recognition*
- *Published papers or books written by that specialist*
- *An auditor's specialist, if any, that assists the auditor in obtaining sufficient appropriate audit evidence with respect to information produced by the management's specialist*

.A74 Matters relevant to evaluating the competence, capabilities, and objectivity of a management's specialist include whether that specialist's work is subject to technical performance standards or other professional or industry requirements, for example, ethical standards and other membership requirements of a professional body or industry association, accreditation standards of a licensing body, or requirements imposed by law or regulation.

.A75 Other matters that may be relevant include the following:

- *The relevance of the capabilities and competence of the management's specialist to the matter for which that specialist's work will be used, including any areas of specialty within that specialist's field. For example, a particular actuary may specialize in property and casualty insurance but have limited expertise regarding pension calculations*
- *The competence of the management's specialist with respect to relevant accounting requirements, for example, knowledge of assumptions and methods, including models, when applicable, that are consistent with the applicable financial reporting framework*
- *Whether unexpected events, changes in conditions, or the audit evidence obtained from the results of audit procedures indicate that it may be necessary to reconsider the initial evaluation of the competence, capabilities, and objectivity of the management's specialist as the audit progresses*

.A76 A broad range of circumstances may threaten objectivity, for example, self-interest threats, advocacy threats, familiarity threats, self-review threats, and intimidation threats. Safeguards may reduce such threats and may be created either by external structures (for example, the profession, legislation, or regulation of the management's specialist) or by the work of the management's specialist's environment (for example, quality control policies and procedures).

.A77 Although safeguards cannot eliminate all threats to the objectivity of a management's specialist, threats such as intimidation threats may be of less significance to a specialist engaged by the entity than to a specialist employed by the entity, and the effectiveness of safeguards such as quality control policies and procedures may be greater. Because the threat to objectivity created by being an employee of the entity will always be present, a specialist employed by the entity cannot ordinarily be regarded as being more likely to be objective than other employees of the entity.

.A78 When evaluating the objectivity of a specialist engaged by the entity, it may be relevant to discuss with management and that specialist any interests and relationships that may create threats to the specialist's objectivity and any applicable safeguards, including any professional requirements that apply to the specialist, and to evaluate whether the safeguards are adequate. Interests and relationships creating threats may include the following:

- *Financial interests*
- *Business and personal relationships*
- *Provision of other services*

Obtaining an Understanding of the Work of the Management's Specialist (Ref: par. .26b)

.A79 An understanding of the work of the management's specialist includes an understanding of the relevant field of expertise. An understanding of the relevant field of expertise may be obtained in conjunction with the auditor's determination of whether the auditor has the expertise to evaluate the work of the management's specialist or whether the auditor needs an auditor's specialist for this purpose.¹³

¹³ Paragraph .07 of section 620, *Using the Work of an Auditor's Specialist*.

.A80 Aspects of the field of the management's specialist relevant to the auditor's understanding may include

- *whether that specialist's field has areas of specialty within it that are relevant to the audit.*
- *whether any professional or other standards and regulatory or legal requirements apply.*
- *what assumptions and methods are used by the management's specialist and whether they are generally accepted within that specialist's field and appropriate for financial reporting purposes.*
- *the nature of internal and external data or information the management's specialist uses.*

.A81 In the case of a management's specialist engaged by the entity, there will ordinarily be an engagement letter or other written form of agreement between the entity and that specialist. Evaluating that agreement when obtaining an understanding of the work of the management's specialist may assist the auditor in determining for the auditor's purposes the appropriateness of

- *the nature, scope, and objectives of that specialist's work;*
- *the respective roles and responsibilities of management and that specialist; and*

- *the nature, timing, and extent of communication between management and that specialist, including the form of any report to be provided by that specialist.*

.A82 In the case of a management's specialist employed by the entity, it is less likely that there will be a written agreement of this kind. Inquiry of the specialist and other members of management may be the most appropriate way for the auditor to obtain the necessary understanding.

Evaluating the Appropriateness of the Work of the Management's Specialist (Ref: par. .26c)

.A83 Considerations when evaluating the appropriateness of the work of the management's specialist as audit evidence for the relevant assertion may include

- *the relevance and reasonableness of that specialist's findings or conclusions, their consistency with other audit evidence, and whether they have been appropriately reflected in the financial statements;*
- *if that specialist's work involves use of significant assumptions and methods, the relevance and reasonableness of those assumptions and methods; and*
- *if that specialist's work involves significant use of source data, the relevance, completeness, and accuracy of that source data.*

AU-C Section 530, Audit Sampling

[No amendment to paragraph .01. Footnote intentionally omitted.]

*.02 This section complements section 500, **Audit Evidence**, which addresses the auditor's responsibility to design and perform audit procedures to obtain **explains what constitutes sufficient appropriate audit evidence and addresses how an auditor evaluates information to be used as audit evidence**. to be able to draw reasonable conclusions as a basis for forming the auditor's opinion. Section 330, **Performing Audit Procedures in Response to Assessed Risks and Evaluating the Audit Evidence Obtained**, provides guidance on the means available to the auditor for selecting items for testing, one of which is audit sampling.*

[No further amendment to section 530.]

AU-C Section 540, Auditing Accounting Estimates, Including Fair Value Accounting Estimates, and Related Disclosures

[No amendment to paragraphs .01–.A27. Paragraph .A28 shown for contextual purposes.]

*Management's Use of Specialists*¹¹ (Ref: par. .08e(iii))

.A28 Management may have, or the entity may employ individuals with, the experience and competence necessary to make estimates. In some cases, however, management may need to engage a specialist to make estimates or assist in making them. This need may arise because of, for example,

- *the specialized nature of the matter requiring estimation (for example, the measurement of mineral or hydrocarbon reserves in extractive industries).*
- *the technical nature of the models required to meet the relevant requirements of the applicable financial reporting framework, as may be the case in certain measurements at fair value.*

- the unusual or infrequent nature of the condition, transaction, or event requiring an accounting estimate.

¹¹ See section 501, *Audit Evidence — Specific Considerations for Selected Items*. See Paragraph .08 of section 500, *Audit Evidence*, which addresses management's specialists.

[No amendment to paragraphs .A29–.A69.]

.A70 In accordance with section 500, *Audit Evidence*, the auditor is required to ***evaluate information to be used as audit evidence by taking into account, among other things, the relevance and reliability of the information, including its source. The auditor's evaluation of such information to be used as audit evidence is required to include evaluating whether the information is sufficiently precise and detailed for the auditor's purposes and obtaining audit evidence about the accuracy and completeness of the information, as necessary.***¹⁸

evaluate whether the data on which the estimate is based is sufficiently reliable for the auditor's purposes, including, as necessary:

- ~~obtaining audit evidence about the accuracy and completeness of the data.~~
- ~~evaluating whether the data is sufficiently precise and detailed for the auditor's purposes.~~

¹⁸ Paragraphs ~~.09~~ **.07 and .08** of section 500.

[No further amendment to section 540.]

.A69

Exhibit A — Using ADAs to Simultaneously Accomplish Multiple Audit Procedures (Ref: par. A46 and par. A61)

This exhibit illustrates the use of an audit data analytic (ADA) that simultaneously accomplishes the objectives of both risk assessment and substantive audit procedures.

Background

The fact pattern in this example, in which the auditor uses a revenue transaction scoring model, will focus on the audit of an entity that recognizes revenue when control of the product (or satisfaction of the performance obligation) transfers at a specific point in time,¹ such as a manufacturer of external data storage devices.

For purposes of this example, assume the following:

- Revenue was determined to be a material account during initial planning and scoping with the occurrence (including cut-off) and accuracy assertions being more susceptible to misstatement.
- The ADA was performed after initial planning and scoping as part of the ongoing and iterative risk assessment process.
- All transactions within the account were subject to the same processes and controls.
- The purpose of the ADA was to design the nature, timing, and extent of the audit procedures and to obtain audit evidence.
- Based on the understanding of controls, the auditor has concluded that the controls over revenue were effectively designed and have been implemented, the auditor has tested certain relevant controls and determined they are operating effectively, and the auditor is otherwise satisfied the entity has appropriately applied the requirements of the applicable financial reporting framework (for example, FASB *Accounting Standards Codification* (ASC) 606, *Revenue from Contracts with Customers*).
- Data used in the ADA are relevant and reliable and have been tested for accuracy and completeness.
- Customers tend to purchase consistent quantities throughout the year, with the exception of purchases just prior to major retail holidays, such as Memorial Day, Black Friday, and Christmas.
- Some customers only purchase in bulk a few times a year, but most customers consistently purchase quantities one to two times a month.
- The customer base does not fluctuate significantly from period to period.
- Revenue is recognized when control transfers at a free-on-board (FOB) shipping point.
- Invoicing occurs the day the product ships from the entity's warehouse.

¹ FASB *Accounting Standards Codification* 606-10-25-30.

- Warehouse personnel typically do not work weekends.
- The company does not sell product to any related parties.

All items that are determined to be individually material were excluded from the ADA and substantively tested separately. The remaining population that was subject to the ADA comprised routine, non-complex transactions with third parties. The processing and recording of transactions are highly automated and less likely to be susceptible to management override.

Description of the ADA

ADA Scoring Model — A complete population of transactions (at the individual item level) for one material account (excluding individually significant items) was subjected to an ADA designed to identify and assess risk and obtain audit evidence specific to a relevant assertion using different routines. The scoring of each routine is based on the evidence expected to be provided by that routine in relation to the auditor's assessment of the risks of material misstatement.

The routines were as follows:

Routine	Description	Characteristic	Transaction Scoring Model	Risk Score	Relevant Fact Pattern
1	Identify customers with infrequent revenue activity (less than X transactions)	Volume	Less than 6 transactions 6–12 transactions More than 12 transactions	2 1 0	Some customers only purchase in bulk a few times a year, but most customers consistently purchase quantities one to two times a month Some customers only purchase in bulk a few times a year, whereas others purchase smaller quantities one to two times a month.
2	Identify customers with a significant fluctuation in volume of products purchased (item level) on a period-over-period basis	Volume	Greater than 70% variance 30% to 70% variance Less than 30% variance	2 1 0	Customers tend to purchase consistent quantities throughout the year, with the exception of purchases just prior to major retail holidays, such as Memorial Day, Black Friday, and Christmas. Some customers only purchase in bulk a few times a year, but most customers consistently purchase quantities one to two times a month.
3	Identify activity for new customers	Volume	Customer for 6 months or less Customer for greater than 6 months	1 0	The customer base does not fluctuate significantly from period to period.
4	Identify all transactions recorded within X days of quarter-end.	Timing	Within 3 days of quarter end Greater than 3 days of quarter end	1 0	Revenue is recognized when control transfers at FOB shipping point.

<i>Routine</i>	<i>Description</i>	<i>Characteristic</i>	<i>Transaction Scoring Model</i>	<i>Risk Score</i>	<i>Relevant Fact Pattern</i>
5	Identify revenue transactions with an invoice date on an unusual date (for example, weekend or holiday)	Timing	Transaction on a weekend/holiday Transaction on a weekday	2 0	Invoicing occurs the day the product ships from the company's warehouse. Warehouse personnel typically do not work weekends.
6	Identify instances in which the shipping document date and invoice date do not match.	Timing	Invoice and shipping document do not match, and invoice date is before shipping date. Invoice and shipping document do not match, and shipping date is before invoice date. Invoice and shipping document match.	4 2 0	Revenue is recognized when control transfers at FOB shipping point. Invoicing occurs the day the product ships from the company's warehouse.

Running the revenue transaction level detail through the ADA routines produces a total score for each transaction. The auditor then groups each transaction into a sub-population based on the individual transaction score. The number of sub-populations may differ depending upon the type of ADA developed, the scores produced by the ADA, and the auditor's assessment of those scores. For purposes of this example, the auditor grouped the population of the account into sub-populations as follows:

<i>Assessed Risk</i>	<i>Total Risk Score</i>	<i>Group</i>
High risk	8–12	A
Moderate risk	4–7	B
Low risk	0–3	C

- Group A – High risk — Comprises items with characteristics deemed to present a higher risk of material misstatement.

Approach — The auditor would perform additional substantive procedures to provide more persuasive audit evidence for the items identified by the ADA. For example, the nature of the substantive procedure may be confirmation as opposed to inspection; the extent of testing may be greater (larger proportionate sample size); or the timing of the procedure may be at or near the financial statement date as opposed to earlier in the period.

- Group B – Moderate risk — Comprises items that warrant further procedures but do not have characteristics of those in the higher risk group.

Approach — The auditor would perform substantive procedures appropriate for the items identified by the ADA in less depth relative to the higher risk population. For example, the nature of the substantive procedure may be limited to inspection of documents and records; the extent of testing may be less (smaller proportionate sample size); and the timing of the procedure may be earlier in the period.

- Group C – Low risk — Comprises items that demonstrate no unusual characteristics based on the procedure performed using the ADA.

Approach — The results of other audit procedures performed throughout the audit would be evaluated for contradictory information regarding the assessed risk of material misstatement. In the absence of contradictory information, as the routines of the ADA are sufficiently precise for the auditor to conclude that the risks of material misstatement have been addressed, no additional substantive procedures may be warranted for any reason other than to incorporate an element of unpredictability in the selection of auditing procedures to be performed from year to year.

As a result of the previous procedures, the auditor concluded

- Groups A, B, and C comprise a material account in the aggregate for which each group has differing risks.
- for Group C, the audit evidence provided over the transactions (within the population analyzed by the ADA in combination with the audit evidence provided by testing of certain key controls over revenue as determined by the auditor and the absence of contradictory audit evidence from the testing of related accounts) was

sufficiently persuasive for the auditor to conclude that the risk of material misstatement was addressed.

- for Groups A and B, the audit evidence provided by the ADA was not sufficiently persuasive, and further substantive procedures were required to address the risk of material misstatement.
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